

2. Product Specification

2.1. Product Feature

■ Features

Block	Specification	Major IC	Remark
RF	Digital/Analog (DTV Built In)		
PDP Module	SDI DF MODULE	51" HD 59" HD 64" HD	New Module
Power	SAMSUNG ELECTRO MECHANICS SMPS (51") DONGYANG SMPS (51") WAVE POWER (59", 64")		
Video	NTSC 3.58 ATSC HDMI Component, PC	MSD 2248	
Sound	SRS TruSurround HD, Dolby Digital	TAS 5715	Optical Output
Cabinet	D550 Design		

■ Specification

Model		P*51D550	P*59D550	P*64D550
Dimensions (W x H x D)	with stand	47.1 x 31 x 12 inches	54 x 35 x 13.1 inches	58.6 x 37.8 x 13.1 inches
	without stand	47.1 x 28.1 x 2.2 inches	54 x 32.4 x 2.2 inches	58.6 x 34.8 x 2.2 inches
Weight	with stand	57.5 lbs	80 lbs	89.5 lbs
	without stand	48 lbs	66.5 lbs	76 lbs
Panel Resolution				
PC Resolution		1920 (H) x 1080 (V)		
Screen Size		51 Inches (16:9)	51 Inches (16:9)	64Inches (16:9)
Power Consumption		51FHD 340W ±10% and Less	59FHD 380W ±10% and Less	64FHD 420W ±10% and Less
Antenna Input		ANT - AIR / CABLE IN 75Ω unbalanced		
Video Input	W/W	AV COMPONENT1 - 480i / 480p / 720p / 1080i / 1080p COMPONENT2 - 480i / 480p / 720p / 1080i / 1080p PC HDMI1(DVI Compatible) - 480i / 480p / 720p / 1080i / 1080p HDMI2 - 480i / 480p / 720p / 1080i / 1080p HDMI3(SIDE AV) - 480i / 480p / 720p / 1080i / 1080p HDMI4(SIDE AV) -480i / 480p / 720p / 1080i / 1080p 480i can be displayed on HDMI, however it is not contained in EDID data.		
	EU	AV COMPONENT1 - 480i / 480p / 720p / 1080i / 1080p SCART - 21P, Sn, BLK PC HDMI1(DVI Compatible) - 480i / 480p / 720p / 1080i / 1080p HDMI2 - 480i / 480p / 720p / 1080i / 1080p HDMI3(SIDE AV) - 480i / 480p / 720p / 1080i / 1080p HDMI4(SIDE AV) -480i / 480p / 720p / 1080i / 1080p 480i can be displayed on HDMI, however it is not contained in EDID data.		
Audio Input		AV COMPONENT1 - 480i / 480p / 720p / 1080i / 1080p COMPONENT2 - 480i / 480p / 720p / 1080i / 1080p PC DVI		
Audio Output		AUDIO (L/R)		
Speaker Output		10W + 10W (40dB + 40dB)		
New Features		3D Built-In		

2.2. Specifications Analysis

Model		P*51D550	P*59D550	P*64D550	P*50C550
Design					
Basic	Display Type	PDP TV	PDP TV	PDP TV	PDP TV
	Built-In Tuner	O	O	O	O
	Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	PDP Module	DF	DF	DF	UF2P
	Screen Size	51 inches	59 inches	64 inches	50 inches
	Picture ratio	16 : 9	16 : 9	16 : 9	16 : 9
Picture	Brightness	1,500 Cd/m2	1,500 Cd/m2	1,500 Cd/m2	1,500 Cd/m2
	Contrast Ratio	1000000:1	1000000:1	1000000:1	1000000:1
	Picture Enhacer	DNLe (SEMS20)	DNLe (SEMS20)	DNLe (SEMS20)	DNLe (SEMS13)
Audio	Equalizer	5 Band	5 Band	5 Band	5 Band
	Auto Volume Control	O	O	O	O
	Surround Sound	SRS Theater Sound	SRS Theater Sound	SRS Theater Sound	SRS TruSurround HD
	Speaker Output	10W + 10W	10W + 10W	10W + 10W	10W + 10W
Features	PIP	O	O	O	X
	Double Screen	X	X	X	X
	Caption	O	O	O	O
	Still Image	X	X	X	X
	EPG	O	O	O	O
	My color Control	X	X	X	X
	Energy Saving	O	O	O	O
	Screen Burn Protection	O	O	O	O
	Anynet	O	O	O	X
Connections	Antenna		1 (Cable/Air)	1 (Cable/Air)	1 (Cable/Air)
	AV Input		1 Input	1 Input	1 Input
	S-Video		X	X	X
	Component	W/W	2 Input	2 Input	2 Input
		EU	1 Input	1 Input	1 Input
	PC (D-SUB)		1 Input	1 Input	1 Input
	DVI		X	X	X
	HDMI		4 Input	4 Input	3 Input
	USB		2	2	2
	Sub Woofer		X	X	X
	Optical		1	1	1
Etc.	Speaker/Stand		Built-in Speaker	Built-in Speaker	Built-in Speaker

**TIP**

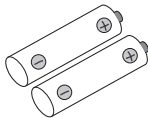
O : Supported, X : Not Supported

**NOTE**

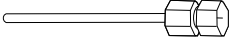
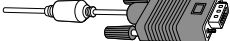
For the power supply and power consumption, refer to the label attached to the product.

2.3. Accessories

2.3.1. Supplied Accessories

Accessories	Item	Item code	Remark
	Remote Control	AA59-00483A	Samsung Service Center
	Batteries	4301-000103	
	Power Cord	3903-000551	
	Owner's Instructions	BN68-03449G	
	Cloth-Clean	BN63-01798B	
	Ferrite Core (2EA)	3301-002053	
	Ferrite Core (1EA)	3301-002052	

2.3.2. Sold Separately

Accessories	Item	Item code	Remark
	RS232 Cable	-	Samsung Service Center
	HDMI	-	
	HDMI-DVI	-	
	Component	-	
	Composite (AV)	-	
	Coaxial (RF)	-	
	VGA	-	